

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 6.5. Topsoil 56% very short, 35 short, 9% adequate. Corn 94% silked, 97% 1999, 98% 5 yr avg. Corn 61% dough, 69% 1999, 5 yr avg not available. Corn 45% dented, 46% 1999, 59% 5 yr avg. Corn 25% mature, 15% 1999, 28% 5 yr avg. Corn 47% very poor, 22% poor, 19% fair, 12% good. Soybeans 35% blooming, 32% 1999, 34% 5 yr avg. Soybeans 14% setting pods, 14% 1999, 13% 5 yr avg. Soybean 7% very poor, 27% poor, 44% fair, 22% good. Pasture feed 34% very poor, 34% poor, 27% fair, 5% good. Livestock feed 10% very poor, 18% poor, 35% fair, 34% good, 3% excellent. Portions of state received much needed rainfall, but more moisture is needed for crops, pastures to recover.

ALASKA: Days suitable for fieldwork 5.2. Topsoil 20% short, 80% adequate. Subsoil moisture 30% short, 70% adequate. Conditions continued cool, damp, which hampered producers in harvesting their hay crop. Daytime high temperatures averaged in the mid-sixties, lows averaged in the upper-forties. Barley 60% in dough, 47% 1999, 65% avg.; 40% fair, 50% good, 10% excellent. Oats 45% in dough, 19% 1999, 49% avg.; 35% fair, 55% good, 10% excellent. No wind or rain damage to small grains reported. Potatoes 30% in bloom, 24% 1999, 31% avg.; 25% fair, 45% good, 30% excellent. Average height of potato crop, 17". 1st cutting hay harvest 60%, 72% 1999, 72% avg. Crop growth, 25% slow, 60% moderate, 15% rapid. Major farming activities for the week included: Cutting, harvesting hay fields, harvesting vegetables, weed control, machinery, fence repair.

ARIZONA: Area recorded above average temperatures with modest precipitation during the week of July 23. Weather conditions had a minimal impact on crop production due to irrigation. Ranges, pastures remain in poor to fair condition with ranchers reporting substantial precipitation needed to improve conditions.

ARKANSAS: Days suitable for fieldwork 6.0. Soil moisture 14% very short, 41% short, 45% adequate. Rice 15% headed, 18% 1999, 20% 5 yr. avg.; 2% very poor, 5% poor, 20% fair, 58% good, 15% excellent. Sorghum 81% headed, 74% 1999, 63% 5 yr. avg.; 32% turning color, 10% 1999, 15% 5 year avg.; 1% very poor, 4% poor, 26% fair, 60% good, 9% excellent. Cotton 85% setting bolls, 84% 1999, 81% 5 yr avg.; 1% very poor, 8% poor, 33% fair, 45% good, 13% excellent. Soybean 99% emerged, 100% 1999, 99% 5 yr avg.; 39% bloomed, 44%, 1999, 39% 5 yr avg.; 16% setting pods, 13% 1999, 12% 5 yr avg.; 4% very poor, 13% poor 33% fair, 39% good, 11% excellent. Corn 99% silked; 56% dough; 2% poor, 12% fair, 55% good, 31% excellent. Alfalfa Hay 2% very poor, 6% poor, 20% fair, 64% good, 8% excellent; Other Hay 1% very poor, 7% poor, 32% fair, 54% good, 6% excellent. Pasture, Range 2% very poor, 6% poor, 33% fair, 52% good, 7% excellent. CROPS: Farmers continued irrigating corn, cotton, rice, soybean fields. Fungicides were applied to rice fields for disease control. Soybeans, rice were still being sprayed with herbicides to control weeds. Some cotton fields continued to be sprayed for spider mites, aphids, boll weevils. Rice fields were being treated for sheath blight, grasshoppers. Armyworms, thrips were being treated in soybean fields. Some pastures were also being affected by armyworms. Many rice farmers were applying mid-season Nitrogen to their fields. Other activities included: Fertilizing, applying weed control to pastures, as well as, cutting, baling hay. Blueberry harvest was near completion while watermelon, peach harvests continued. Livestock were in good condition. However, heat, humidity were beginning to stress livestock, poultry. Cattle were being treated for horn flies, internal parasites. Many reports are received on Friday, may not reflect conditional changes due to weekend weather.

CALIFORNIA: Cotton fields were blooming, growing at a rapid rate. Bolls were setting in most southern counties. Many growers sprayed to control aphids, lygus, mites, worms in cotton fields. Alfalfa hay was cut, raked, baled. Alfalfa seed fields were in bloom and growers started to cut back on irrigation in preparation for harvest. Alfalfa was treated for lygus, worms, mites. Sudan hay was cut. Corn for silage was planted, while older fields were harvested. Corn fields were treated for mites, weeds. Sugar beets were harvested. Wheat harvest was winding down. Rye grass harvest began. Rice crop progress continued. Some rice growers were treating for heavy infestation of armyworms. Dry beans were treated for worms, mites, beetles. Some fields were still being planted. Growers were conducting cultural activities in vineyards, orchards. Weed control, fungicide applications continued in vineyards, orchards. Growers treated grape vineyards for mildew, leafhoppers. Grape growers remained concerned about the Glassy Winged Sharpshooter. Picking of grapes for fresh use was active in the San Joaquin Valley. Perlette, Thompson Seedless, Flame Seedless were the primary varieties picked. Picking of figs, freestone peaches, nectarines, plums was active. Bartlett pear harvest was active in the Sacramento delta area. Apples were treated for codling moth. Walnuts were treated for blight, codling moth. Almonds were treated for mites, navel orangeworm. Hull split was reported in some orchards. Picking of grapefruit was active in the San Joaquin Valley. Lemon harvest was active in southern state. The harvest of Valencia oranges progressed in southern state, in the San Joaquin Valley. Strawberry picking was active on the central coast. Some Sacramento Valley farmers applied aphid treatments to asparagus, melon fields. Worm, stink bug treatments were applied to tomato, melon fields. Some fields of processing tomatoes exhibited black mold, late blight. Cantaloupe, honeydew melon planting was completed in the San Joaquin Valley. Tomato, bell pepper planting continued in some areas. Harvesting of watermelons, fresh market tomatoes, bell peppers continued. Cantaloupe, processing tomato harvests were underway in Merced, Fresno counties. Honeydew, Crenshaw melons were also harvested. Harvest of zucchini squash was in full swing. Additional vegetables harvested included: Basil, carrots, cilantro, cucumbers, sweet corn, beans, eggplant, garlic, mustard greens, green onions, mixed melons, lemon grass, mint, okra, onions, parsley, peppers, squash, peas, radishes, spinach, tomatoes. Cattle continued to thrive on summer pastures at higher elevations, in the central, northern valleys. Good weight gains were reported in some areas. Foothill pastures were very dry, with a few fire problems reported. Bees were pollinating seed alfalfa, melon, vineseed fields. Warm temperatures aided bee activity. Sheep were grazing grain stubble in central state.

COLORADO: Days suitable for fieldwork 6.0. Topsoil 20% very short, 35% short, 42 adequate, 3% surplus. Subsoil moisture 27% very short, 50% short, 23% adequate, 0% surplus. Seasonal weather patterns prevailed last week with high temperatures in the upper 80's, isolated thunderstorms providing some additional moisture. Some areas on the Eastern Plains, Front Range experienced severe weather including tornado warnings, torrential rainfall that caused isolated flooding. Most crop condition ratings improved slightly, but dryland crops remain in desperate need of additional moisture. Spring 66% barley turning color, 67% 1999, 65% avg.; 15% harvested, 9% 1999, 11% avg.; 2% very poor, 8% poor, 20% fair, 54% good, 16% excellent. Dry onions 2% very poor, 5% poor, 14% fair, 53% good, 26% excellent. Sugar beets 4% very poor, 6% poor, 17% fair, 54% good, 19% excellent. Summer potatoes 3% poor, 11% fair, 49% good, 37% excellent. Fall potatoes 2% poor, 7% fair, 71% good, 20% excellent. Dry beans 57% flowered, 32% 1999, 32% avg.; 15% very poor, 7% poor, 23% fair, 36% good, 19% excellent. Spring wheat 70% turning color, 49% 1999, 45% avg.; 25% harvested, 12% 1999, 5% avg.; 5%

very poor, 10% poor, 21% fair, 48% good, 16% excellent. Alfalfa 55% 2nd cutting, 45% 1999, 40% avg.

DELAWARE: Days suitable for fieldwork 5. Topsoil 3% short, 90% adequate, 7% surplus. Subsoil moisture 7% short, 83% adequate, 10% surplus. Field corn 71% silked, 67% 1999, 55% avg.; 35% doughed, 13% in 1999, 8% avg. Sweet corn 25% harvested, 20% 1999, 23% avg. Cucumbers 42% harvested, 24% 1999, 34% avg. Soybeans 18% bloomed, 20% 1999, 24% avg.; 12% setting pods, 9% 1999, 5% avg. Sorghum 2% fair, 50% good, 48% excellent; 22% headed, 11% 1999, 10% avg. Snap beans 45% harvested, 34% 1999, 23% avg. Pasture feed 5% poor, 20% fair, 50% good, 25% excellent. Corn 6% fair, 50% good, 44% excellent. Soybean 15% fair, 72% good, 13% excellent. Potatoes 25% harvested 32% 1999, 27% avg. Apple 13% fair, 62% good, 25% excellent. Peaches 13% fair, 61% good, 26% excellent; 23% harvested, 22% 1999, 20% avg. Hay supplies 4% short, 96% adequate. Percent of cutting hay crop harvest; clover, other hays, 2nd cutting 70% cut, 74% 1999, 81% avg.; 3rd cutting 40% cut 60% 1999, 30% avg. Alfalfa 2nd cutting 90% cut, 89% 1999, 92% avg.; 3rd cutting 37% cut, 51% 1999, 25% avg. Tomatoes 15% harvested, 17% 1999 12% avg. Activities: Showers during the past week maintained good topsoil conditions. Most Areas of the state have had adequate to more than adequate, timely showers, so far this summer, thus greatly reducing the need for irrigation compared to the past two summers. High temperatures ranged from the low 60's to the mid-80's during the week. Harvesting sweet corn, snap beans, peaches, early apples, hay, cucumbers, potatoes.

FLORIDA: Topsoil and subsoil moisture supplies mostly adequate to short with scattered areas of very short supplies. Scattered rains helped ease dry conditions in many western Panhandle, northern Peninsula areas. Rainfall over central, southern Peninsula ranged from about 0.10 in. at Apopka to almost 4.00 in. at Tavares, Umatilla. Most high temperatures in 90s; most lows in 70s. Umatilla recorded at least one high of 100; several localities reported at least one low in 60s. Marginal rains, showers improved moisture in selective areas. Other areas remain dry. Extreme heat, drought over the past week having detrimental effect on some peanut, cotton fields. Cotton growers in some areas expect to abandon some fields. Peanut bloom, pollination poor at temperatures in mid 90s, above. Some producers making hay but getting only light cuttings. Growers continue to harvest tobacco. Sugarcane in mostly good condition. Soybeans in mostly good condition but need rain. Peanut 10% poor, 64% fair, 26% good. Growers report 78% of peanuts pegged. Some central, southern Peninsula producers starting to plant fall vegetables. Dade County growers harvesting okra. Rain all citrus areas, a little hail, high winds. Abundant new growth, some late bloom continues. New crop fruit making good progress. Most oranges now golf ball size, some grapefruit nearly baseball size, Temples, tangerines, tangelos larger than marbles but smaller than golf balls. Caretakers cutting cover crops, spraying, fertilizing, hedging, topping. Pasture feed 5% poor, 70% fair, 25% good. Cattle 5% poor, 65% fair, 30% good. Statewide: pasture improved somewhat from previous week. Cattle, calves condition fair to good. Marginal rainfall, extreme heat held pasture condition down. Panhandle: temporary forage poor due to extreme heat, drought. Some first-cutting of hay done. Central: pastures mostly fair, weeds becoming a problem.

GEORGIA: Days suitable for field work 6.2. Soil moisture 36% very short, 41% short, 22% adequate, 1% surplus. Corn 73% dent; 76% 1999, 75% avg.; 34% mature, 35% 1999, 31% avg.; 4% harvested for grain, 3% 1999, 2% avg. Hay 21% very poor, 32% poor, 34% fair, 11% good, 2% excellent. Peanuts 98% blooming, 98% 1999, 99% avg. Sorghum 19% very poor, 30% poor, 35% fair, 14% good, 2% excellent; 97% planted, 100% 1999, 99% avg. Soybeans 98% emerged, 100% 1999, NA% avg. Tobacco 7% very poor, 18% poor, 36% fair, 32% good, 7% excellent; 30% harvested, 39% 1999, 43% avg. Watermelons 90% harvested, 90% 1999, 89% avg. Apples 6% poor, 43% fair, 44% good, 7% excellent; 4% harvested, 1% 1999, 1% avg. Peaches 91% harvested, 79% 1999, 88% avg. Pecans 11% very poor, 24% poor, 44% fair, 19% good, 2% excellent. Much of the State

remained hot and dry last week. Temporary relief came late in the week with scattered thunderstorms. There were reports of possible wind, hail damage. High temperatures caused afternoon wilting in some crops and kept soil moisture levels low. Farmers irrigated where possible. Wells were running dry. Stream, pond levels remained low. Corn harvest began. High temperatures caused some dryland cotton to shed bolls, squares. Insect control proceeded in cotton. Soybean producers continued to fight weeds. Horn worms appeared in tobacco. Insects appeared in pecan orchards. Pastures, hayfields continued to suffer from the dry conditions. Farmers cut hay where possible. Some cattlemen were forced to bring in water for herds. Hay feeding continued. Other activities included: Harvesting watermelons, peaches.

HAWAII: Weather condition was variable for agriculture during the week. Light to moderate showers mixed with sunny periods. Moderate trade winds for much of the week as high pressure system remains anchored north of State. Banana and papaya harvesting steady. Most vegetables in fair to good condition.

IDAHO: Days suitable for field work 6.8. Topsoil 22% very short, 35% short, 43% adequate. Hot weather conditions continue across the state with above normal temperatures. Eastern State continues to be desperate for rain, despite minimal precipitation levels received last week. The states 2nd cutting of alfalfa hay is nearly half harvested, while the 3rd cutting is underway in the Treasure, Magic Valleys. Irrigation supply 19% excellent, 33% good, 28% fair, 15% poor, 5% very poor. Oats 91% headed, 91% 1999, 1% harvested, 0% 1999, 1% avg. Potatoes 12" high 97%, 96% 1999, 92% avg.; closing 83% middles, 77% 1999, 75% avg. Mint 25% harvested, 5% 1999, 7% avg. Spring wheat 53% turning color, 31% 1999, 40% avg. Barley 45% turning color, 32% 1999, 36% avg. Peaches 8% harvested, 2% 1999, 5% avg. Dry Peas 8% harvested, 6% 1999, 6% avg. Lentils 0% harvested, 0% 1999, 1% avg. Alfalfa hay 2nd cutting harvested 54%, 47% 1999, 35% avg. Winter wheat 86% turning color, 69% 1999, 78% avg.; 5% harvested, 1% 1999, 2% avg. Spring wheat 94% headed, 89% 1999, 92% avg. Spring barley 98% headed, 89% 1999, 89% avg.; 2% harvested, 0% 1999, 1% avg. Activities: Irrigating, weed control, monitoring, controlling disease, pests, harvesting small grains, peaches, mint, dry peas, hay.

ILLINOIS: Days suitable for fieldwork 5.4. Topsoil 3% short, 81% adequate, 16% surplus. Oats 98% turning yellow, 98% 1999, 90% avg.; 76% ripe, 82% 1999, 58% avg.; 48% harvested, 49% 1999, 26% avg. Alfalfa 2nd 90%, 91% 1999, 75% avg.; 3rd cut 19%, 16% 1999, 9% avg.; 1% poor, 15% fair, 58% good, 26% excellent. Cool, dry weather last week allowed farmers to get out into the field, helped the crops to recover from the wet conditions. Much drier conditions across most of the state has helped the crops develop towards maturity, however, the southern portion of the state received rains that hindered replanting, left some acres drowned out, particularly soybeans. Activities for last week included: Mowing roadsides, attending fairs, caring for livestock.

INDIANA: Days suitable for fieldwork 5.6. Topsoil 1% very short, 12% short, 77% adequate, 10% surplus. Subsoil 2% very short, 18% short, 74% adequate, 6% surplus. Favorable weather continued, helping corn, soybean development. Harvesting of winter wheat is virtually complete. Cool temperatures have been ideal for corn pollination. Precipitation averaged 0 to 3.93 inches. Most areas received less than an inch of rain. Temperatures averaged 5E to 9E below normal. Weeds remain in portions of some soybean fields. Range, pasture 4% poor, 25% fair, 56% good, 15% excellent. Second cutting alfalfa hay 92%, 99% 1999, 66% avg. Major activities: Harvesting winter wheat, scouting fields, spraying, cutting, baling hay, mowing roads, pastures, equipment repair, hauling manure, attending county fairs, feeding, 1% caring for livestock.

IOWA: Days suitable for field work 5.3. Topsoil 3% very short, 16% short, 71% adequate, 10% surplus. Subsoil moisture 8% very short,

30% short, 57% adequate, 5% surplus. Across most of state, reporters noted that both corn, bean crop look good. Cooler weather this week was beneficial for corn pollination, but may have slowed things down a bit for soybeans. Weeds starting to be a problem in fields. Some producers in north central state experienced heavy rains which damaged crops in low lying areas; left water standing in fields. In south central, south eastern sections of state farmers lost hay as a result of rain. Corn 84% silked, 58% 1999, 38% avg.; 18% milk stage, 6% 1999, 5% avg.; 2% dough stage, 0% 1999, 1% avg.; 2% very poor, 4% poor, 16% fair, 53% good, 25% excellent. Soybeans 92% blooming, 81% 1999, 71% avg.; 46% setting pods, 32% 1999, 21% avg.; 1% very poor, 5% poor, 20% fair, 55% good, 19% excellent. Oats 99% turning, 99% 1999, 96% avg.; 63% harvested, 49% 1999, 28% avg.; 7% poor, 23% fair, 55% good, 15% excellent. Winter wheat 97% harvested. Range, pasture feed 5% very poor, 10% poor, 33% fair, 39% good, 13% excellent. Second cutting of alfalfa 84%, 71% 1999, 58% avg. Second cutting of clover hay 51%, 39% 1999, 25% avg. Hay 1% very poor, 5% poor, 25% fair, 50% good, 19% excellent. Livestock generally in good condition; cooler temperatures have eased stress on animals.

KANSAS: Days suitable for fieldwork 3.8. Topsoil 10% very short, 31% short, 51% adequate, 8% surplus. Subsoil moisture 10% very short, 38% short, 50% adequate, 2% surplus. Major row crops (corn, sorghum, soybeans) are maturing at least 15% points ahead of 1999. Sunflower 18% bloom, 14% 1999, 5% poor, 32% fair, 59% good, 4% excellent. 3rd cutting alfalfa 54%, 25% 1999, 28% avg.

KENTUCKY: Days suitable for fieldwork 4.9. Topsoil 9% very short, 18% short, 60% adequate, 13% surplus. Subsoil moisture 12% very short, 27% short, 54% adequate, 7% surplus. Temperatures were slightly below normal throughout the State. The commonwealth received a few scattered thunderstorms throughout the week; however the majority of the State is still in need of additional rainfall. South Central State was the driest area. Corn, Soybean growth was ahead of average. Problems with black shank, blue mold were reported in a few areas. Burley tobacco blooming or beyond 54%, topped 29%. Dark tobacco topped 42%. Tobacco 2% very poor, 5% poor, 18% fair, 56% good, 19% excellent. Pastures 2% very poor, 8% poor, 24% fair, 53% good, 13% excellent. Hay crop 2% very poor, 6% poor, 25% fair, 50% good, 17% excellent.

LOUISIANA: Days suitable for fieldwork 6.9. Soil moisture 34% very short, 49% short, 17% adequate. Corn 7% very poor, 7% poor, 21% fair, 64% good, 1% excellent; 98% dough stage, 99% 1999, 96% avg.; 77% mature, 55% 1999, 48% avg.; 10% harvested, 2% 1999, 3% avg. Early varieties of corn were being harvested. Hay 100% 1st cutting, 100% 1999, 99% avg.; 60% final cutting, 19% 1999, 33% avg. Hay producers continued to harvest. Peaches 93% harvested, 99% 1999, 88% avg. Rice 42% ripe, 28% 1999, 19% avg.; 22% harvested, 14% 1999, 7% avg. Rice growers were harvesting early varieties. Sorghum 18% ripe, 1% 1999, 2% avg. Sugarcane 1% very poor, 10% poor, 33% fair, 45% good, 11% excellent. Some sugarcane was knocked down from severe winds. Livestock 1% very poor, 9% poor, 41% fair, 40% good, 9% excellent. Vegetables 5% very poor, 23% poor, 48% fair, 23% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 4.4. Topsoil 2% short, 81% adequate, 17% surplus. Subsoil moisture 1% very short, 3% short, 91% adequate, 5% surplus. Cucumbers 52% harvested, 46% 1999, 44% avg. Lima beans 25% harvested, 9% 1999, 6% avg. Snap Beans 36% harvested 38% 1999, and 39% avg. Soybeans 29% bloomed, 37% 1999, 26% avg.; 12% setting pods, 14% 1999, 8% avg. Sorghum 5% poor, 5% fair, 48% good, 42% excellent, 25% headed, 17% 1999, 13% avg. Tobacco 11% poor, 13% fair, 49% good, 27% excellent; 59% bloomed, 39% 1999, 39% avg. Field corn 62% silked, 65% 1999, 55% avg.; 19% dough, 19% 1999, 12% avg. Sweet corn 33% harvested, 35% 1999, 31% avg. Potatoes 72% harvested, 54% 1999, 47% avg. Pasture feed 1% very poor, 2% poor, 8% fair, 69% good, 20% excellent. Corn 1% very poor, 1% poor, 7% fair, 50% good, 41% excellent. Soybean 2% very poor, 2% poor, 12% fair, 47% good,

37% excellent. Apple 2% very poor, 15% fair, 63% good, 20% excellent. Peach 12% fair, 66% good, 22% excellent; 18% harvested, 21% 1999, 18% avg. Cantaloupe 29% harvested, 31% 1999, 34% avg. Watermelons 13% harvested, 15% 1999, 16% avg. Tomatoes 21% harvested, 26% 1999, 20% avg. All hay supplies 1% very short, 2% short, 80% adequate, 17% Surplus. Percent of cutting hay crop harvest; 2nd cutting clover and other hays 62% cut, 77% 1999, 62% avg.; 3rd cutting 14% cut, 34% 1999, 17% avg.; 2nd cutting alfalfa 84% cut, 98% 1999, 88% avg. 3rd cutting 26% cut, 29% 1999, 20% avg. Activities: Harvesting of hay has been delayed due to rain, some damage to tobacco being reported in Southern State due to hail.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 7% very short, 35% short, 56% adequate, 2% surplus. Subsoil 4% very short, 34% short, 61% adequate, 1% surplus. All Hay % very poor, 6% poor, 25% fair, 48% good, 20% excellent. Winter Wheat 1% very poor, 1% poor, 16% fair, 56% good, 26% excellent. All Hay 1st cutting 98% avg. All Hay 2nd cutting 37%, 53% 1999, 50% avg. Corn Height 50 inches, 1999, -- avg. Soybeans 12% blooming, 45% 1999, 28% avg. Oats 76% turning yellow, 88% 1999, 65% avg. Cool, dry weather predominated last week. Second week without significant rainfall for many parts of State. Crops behind 5 year average most areas of State. Reports of higher than normal insect populations some fields. First, second cuttings of alfalfa have been of excellent quality. Growing degree days (GDD) dropped below average across State except eastern Upper Peninsula, northeastern Lower Peninsula, western Lower Peninsula which remain slightly above average. Precipitation totals remain below average for Upper Peninsula, northern Lower Peninsula, despite dry spell, above average for remainder of State. Pleasant weather allowed for excellent week of field work, but cool temperatures slowed most crops' progress. Corn looking good overall. Younger corn growth slowed with lower temperatures, drying topsoil. European corn borer damage extensive some fields. Some concerns reported about Japanese beetles present in soybean fields. Soybeans still behind 1999. Wheat harvest nearing three-quarters complete. Potato leafhopper numbers above threshold alfalfa regrowth. Sugarbeets continued to look very good with spraying continuing for Cercospora Leafspot. Oats being harvested with very good yields. Cabbage continued large volume with good quality. Potatoes looking good despite lack of rain. Sweet corn harvest picking up steam despite cool nights. Tomatoes for fresh market being harvested on a limited basis. Peppers growing well with harvest set to begin. Cucumbers continued to grow well, blossoming, setting fruit. Summer squash, zucchini, snap bean harvests continued. Winter squash development behind due to below normal temperatures. Onions continued size with many over 2 inches early fields Grand Rapids area. Carrot harvest underway Southeast, Southwest. Pea harvest beginning to wind down. Celery harvest continued to progress. Apples ranged from 1.75 to 2.0 inches diameter. Tart cherry harvest winding down West Central, continued Northwest. Sweet cherry harvest completed West Central, winding down Northwest. Harvest of early peach varieties continued Southwest, West Central. Blueberry harvest full swing. Pears ranged from 2.0 to 2.5 inches diameter.

MINNESOTA: Days suitable for fieldwork 5.4. Topsoil 0% very short, 10% short, 84% adequate, 6% surplus. Spring Wheat 79% turning ripe, 46% 1999, 40% avg. Oats 78% turning ripe, 70% 1999, 63% avg. Barley 81% turning ripe, 41% 1999, 37% avg. Corn 70 in. height, 63 in. 1999, 64 in. avg.; 4% milking, 4% 1999, 4% avg. Soybeans 23 in. height, 18 in. 1999, 20 in. avg. Rye 17% harvested, 12% 1999, 20% avg. Sweet corn 2% harvested, 1% 1999, 2% avg. Pasture feed 0% very poor, 3% poor, 23% fair, 62% good, 12% excellent. Dry beans 8% very poor, 13% poor, 36% fair, 36% good, 7% excellent. Potatoes 2% very poor, 4% poor, 23% fair, 48% good, 23% excellent. Sunflowers 3% very poor, 8% poor, 23% fair, 57% good, 9% excellent. Canola 2% very poor, 5% poor, 20% fair, 44% good, 29% excellent. Sugarbeets 1% very poor, 4% poor, 18% fair, 51% good, 26% excellent. The majority of the state received less than half an inch of rain during the week and temperatures averaged 9° below normal statewide. The dryer weather was favorable for the harvesting of hay. As corn is tasseling, soybeans are blooming over much of their

acreage, the cooler temperatures are favorable for successful pollination.

MISSISSIPPI: Days suitable for fieldwork 6.2. Soil moisture 35% very short, 46% short, 18% adequate, 1% surplus. Corn 70% dent, 66% 1999, 55% avg.; 23% mature, 9% 1999 8% avg.; 6% very poor, 19% poor, 31% fair, 33% good, 11% excellent. Cotton 3% very poor 9% poor, 32% fair, 46% good, 10% excellent. Rice 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Sorghum 1% very poor, 10% poor, 29% fair, 55% good, 5% excellent. Soybeans 5% very poor, 12% poor, 33% fair, 39% good, 11% excellent. Sweetpotatoes 6% very poor, 15% poor, 30% fair, 40% good, 9% excellent. Watermelons 64% harvested, 66% 1999, 62% avg.; 8% very poor, 21% poor, 34% fair, 36% good, 1% excellent. Hay (warm-season) 58% harvested, 68% 1999, 67% avg. Cattle, 4% very poor, 11% poor, 42% fair, 39% good, 4% excellent. Pasture 24% very poor, 32% poor, 26% fair, 17% good, 1% excellent.

MISSOURI: Days suitable for fieldwork of 5.1. Topsoil 8% very short, 22% short, 68% adequate, 2% surplus. Subsoil moisture improved slightly to 13% very short, 39% short, 48% adequate, 2% surplus. The weekly precipitation averaged 1.01 inches. Cooler temperatures, rain throughout the State was beneficial to conditions, development. 2nd alfalfa hay 95% cut, compared with 86% in 1999, 80% avg. Other hay cut 94%, 87% in 1999, 86% avg. Cotton 93% setting bolls, compared to 94% 1999, 74% normal. Pasture feeds 8% very poor, 12% poor, 42% fair, 35% good, 3% excellent.

MONTANA: Days suitable for fieldwork 6.6. Topsoil 35% very short, 40% short, 24% adequate, 1% surplus. Subsoil moisture 43% very short, 39% short, 18% adequate, 0% surplus. Oats 94% headed, 90% 1999, 90% avg.; 44% turning, 18% 1999, 26% avg.; 9% ripe, 2% 1999, 4% avg.; 5% very poor, 13% poor, 27% fair, 47% good, 8% excellent. Corn 0% very poor, 5% poor, 43% fair, 44% good, 8% excellent. Dry beans 0% very poor, 2% poor, 53% fair, 42% good, 3% excellent. Potatoes 0% very poor, 0% poor, 15% fair, 39% good, 46% excellent. Sugar beets 0% very poor, 11% poor, 31% fair, 41% good, 17% excellent. Barley 51% turning, 37% 1999, 31% avg. Barley 8% ripe, 3% 1999, 2% avg. Spring wheat 51% turning, 22% 1999, 28% avg. Spring wheat 8% ripe, 1% 1999, 1% avg. Winter 67% wheat ripe, 43% 1999, 21% avg.; 11% very poor, 28% poor, 30% fair, 26% good, 5% excellent. Alfalfa hay 1st cutting 94%, 91% 1999, 89% avg. Alfalfa hay 2nd cutting 9%, 7% 1999, 6% avg. Other hay 1st cutting 73%, 74% 1999, 67% avg. Isolated incidents of hail continue to damage crops across the state. The state's winter wheat crop is ripening quickly, is beginning to be harvested. With 17% of the crop harvested, agents report that yields are mixed. The North Central, Northeast regions report normal yields, while yields in the Central region are expected to be lower. Hay supplies are becoming a concern in the Central part of the state. The decrease in hay production due to drought this year has been slightly offset by drought-damaged wheat going to hay. However, livestock producers are still facing a shortage, are looking out-of-state and into Canada for supplies. Many State ranchers are still dealing with shortages of range, pasture feed, livestock water. The emergency grazing of CRP lands in Central State has helped with the shortage. Livestock are reported to be in good condition around the state, but more moisture is needed in the western half of the state to rejuvenate grasses, recharge water supplies.

NEBRASKA: Days suitable for fieldwork 5.8. Topsoil, Subsoil moisture supplies were rated mostly very short to short. Temperatures for the week averaged 4 to 9 ° below normals. Precipitation occurred across State, ranging from traces to over 2.0 inches. Corn 9% very poor, 15% poor, 26% fair, 37% good, 13% excellent; 72% silked, 61% 1999, 48% avg.; 8% in dough, 3% 1999, 1% avg. Soybeans 9% very poor, 15% poor, 30% fair, 33% good, 13% excellent; 77% bloomed, 65% 1999, 54% avg.; 27% setting pods, 12% 1999, 7% avg. Sorghum 8% very poor, 15% poor, 33% fair, 33% good, 11% excellent; 22% headed, 9% 1999, 5% avg. Winter Wheat 97% harvested, 87% 1999, 72% avg. Oats harvested for grain 78%, 55% 1999, 49% avg. Dry beans 73% bloomed, 52% 1999, 39% avg.

Alfalfa 2nd cutting 95% harvested, 84% 1999, 73% avg.; 3rd cutting underway; 18% very poor, 30% poor, 30% fair, 20% good, 2% excellent. Wild hay 21% very poor, 30% poor, 30% fair, 15% good, 4% excellent. Pasture, range 38% very poor, 34% poor, 21% fair, 7% good. Some cattle moved off pastures, others receiving supplemental feed. Other producer activities included: Moving grain to market, irrigating, harvesting native hay, livestock care.

NEVADA: Temperatures continued to average near normal. Very few thunderstorms passed through the State early in the week, leaving most locations with no rainfall. Seasonal drying, deterioration of rangelands accelerated. Stream flows continued to decline. Irrigation water supplies short in some areas. Crop condition ratings remain generally good. Good progress was made on the 2nd cutting of alfalfa hay; 3rd cutting getting underway. Insect control necessary in some alfalfa fields. Timothy, grass hay harvesting well along. Wheat, barley, oats turning color. Grain hay harvest complete. Lygus a problem in the Lovelock area. Corn growing well under the hot summer weather. Garlic harvest began. Garlic being shipped in from State for dehydration. Potatoes growing well. Some livestock movement done for range management. Lack of water forcing movement of cattle from some ranges. Cattle marketing active. Main farm, ranch activities: Alfalfa, other hay harvests, irrigation, pest, weed control, livestock contracting.

NEW ENGLAND: Days suitable for fieldwork: 6.0. Topsoil 3% very short, 6% short, 80% adequate, 11% surplus. Subsoil moisture 1% very short, 5% short, 85% adequate, 9% surplus. Pasture feed 1% very poor, 4% poor, 21% fair, 47% good, 27% excellent. Maine potatoes: condition good. Rhode Island potatoes: condition good to fair. Massachusetts potatoes 5% harvested, 0% 1999, 0% avg.; condition good to fair. Oats in Maine: condition good to excellent. Barley in Maine: condition good to excellent. Silage corn 100% emerged, 100% 1999, 100% avg.; condition good to fair. Sweet corn 95% emerged, 100% 1999, 100% avg.; 15% harvested, 20% 1999, 10% avg.; condition good to fair. Shade tobacco 10% harvested, 25% 1999, 20% avg.; condition fair to good. Broadleaf tobacco: condition fair to good. First crop hay 90% harvested, 95% 1999, 95% avg.; condition good to fair. 2nd crop hay 30% harvested, 40% 1999, 30% avg.; condition good to excellent. 3rd crop hay 5% harvested, none 1999, none avg; condition fair to good. Apples: fruit size avg to below avg, condition good to fair. Peaches 5% harvested, 10% 1999, 0% avg, fruit size avg, condition good to fair. Pears fruit size avg, condition fair to good. Strawberries 95% harvested, 100% 1999, 100% avg; fruit size avg to below avg, condition good to fair. Cranberries: condition good. Highbush blueberries 20% harvested, 20% 1999, 20% avg; fruit size avg to above avg, condition good to excellent. Wild Blueberries in Maine: fruit size avg to above avg, condition good to excellent. Cool weather conditions continue to slow crop growth. Major farm activities included: Picking sweet corn, green beans, green, yellow squash, cabbage, lettuce, digging early potatoes, spraying, mowing field edges, harvesting raspberries, blueberries, cutting hay, topping broadleaf tobacco, harvesting shade tobacco, removing beehives from cranberry beds, renovating strawberry fields.

NEW JERSEY: Days suitable for field work 5.4. Topsoil 10% short, 90% adequate. Corn 76% silked, 15% fair, 32% good, 53% excellent. Soybeans 51% blooming, 31% fair, 53% good, 16% excellent. Timely showers, favorable growing conditions improved row crop conditions in most localities. Sweet corn harvest continued, with overall condition of the crop rated as good. Fresh market tomatoes were rated as mostly good to excellent, with some producers preparing to begin harvest of early planted fields. Early variety peach harvest continued, with overall crop condition rated as good. Disease pressure increased in some squash, cucumber fields.

NEW MEXICO: Days suitable for field work 6.9. Topsoil 25% very short, 50% short. Hit, miss afternoon, evening thunderstorms produced some measurable rainfall at about two-thirds of the reporting stations this past week. However, most of the totals reported were less than an inch. The only locations that managed to collect at least

an inch were Des Moines/Capulin, Chama. Temperatures were a little above average at most places, with a statewide average 2° above normal. The mercury hit 100° at most lower elevation stations in the south, east. 25% adequate. Farmers continued harvesting alfalfa, onions, started digging potatoes last week. Onions remained in fair to excellent condition during the week, with 85% of the crop harvested. The corn crop was in fair to excellent condition, with 88% tasseling, 60% doughing. The alfalfa condition continued to improved over the week with the 2nd cutting 97%, 3rd cutting 86%. The cotton condition remained in mostly fair to good condition, with boll setting increasing to 95%. There was less need for supplemental feeding of livestock across the state, but some areas are still in desperate need of rain. Cattle, sheep conditions improved slightly from last week. Pasture, range feed 12% very poor, 38% poor, 34% fair, 15% good, 1% excellent, a slight decline from last week.

NEW YORK: Days suitable: 4.6. Soil moisture 66% adequate, 34% surplus. Pasture feed 10% fair, 79% good, 11% excellent. Hay 4% poor, 14% fair, 59% good, 23% excellent. First cut alfalfa 92%, 100% 1999, 98% avg. Clo-tim 84% harvested, 94% 1999, 98% avg. Oats 92% good, 8% excellent. Wheat 7% poor, 20% fair, 67% good, 6% excellent. Yields are good but sprouting is evident. Corn crop condition, development varies depending on planting date, soil type. Soybeans growing slowly. Dry bean planting finishing up. Good stands but a lot of leafhopper pressure. Vegetable plantings complete, total acreage well below 1999. Condition of apple crop varies widely across the state. Hail damage evident is Hudson Valley. Lake Erie grapes, mostly Concord, in good condition. Average crop expected.

NORTH CAROLINA: Days suitable for field work 6.0. The 3rd week of July brought a continuation of comfortable summer temperatures with most of the State receiving light showers. Despite the rain, statewide soil moisture continued to deteriorate with conditions currently rated at 11% very short, 28% short, 57% adequate, 4% surplus. Several counties in the Coastal Plain received scattered hail, with Lenoir reporting hail up to the size of a tennis ball damaging approximately 4,000 acres of tobacco, corn, soybeans, cotton. Crop progress for corn, cotton, tobacco continues to be ahead of 1999, the 5 year avg. Some activities for the week included: Irrigation, spraying for blue mold, topping, harvesting tobacco, feeding livestock in areas with declining pasture conditions.

NORTH DAKOTA: Days suitable for fieldwork was 6. Topsoil 1% very short, 10% short, 81% adequate, 8% surplus. Subsoil moisture 3% very short, 12% short, 76% adequate, 9% surplus. A week of dry conditions across much of the state pushed the development of all crops. Crop development for durum wheat 88% heading, 41% 1999, 66% avg.; 53% milk, 18% 1999, 26% avg.; 14% turning, 2% 1999, 6% avg. Canola 43% turning, 15% 1999. Dry beans development 91% blooming, 62% 1999, 62% avg.; 27% podding, 12% 1999, 17% avg. Flaxseed 91% blooming, 72% 1999, 63% avg.; 9% turning, 2% 1999, 3% avg. Potatoes 94% blooming, 77% 1999, 83% avg.; 76% rows filled, 70% 1999, 61% avg. Crop durum wheat 2% very poor, 4% poor, 21% fair, 61% good, 12% excellent. Canola 3% very poor, 5% poor, 18% fair, 55% good, 19% excellent. Dry beans 10% very poor, 13% poor, 23% fair, 47% good, 7% excellent. Pasture, range 3% very poor, 5% poor, 20% fair, 64% good, 8% excellent. Stockwater supplies 1% very short, 7% short, 85% adequate, 7% surplus. Hay 77% of normal. Alfalfa 1st, 2nd cutting 94%, 28% complete, respectively, while all other hay 64% complete.

OHIO: Days suitable for fieldwork, 4.6 days. Topsoil 0% very short, 7% short, 80% adequate, 13% surplus. Summer apples 36% harvested; 47% 1999. Alfalfa hay 2nd cutting 72%; 91% 1999; 66% avg.; 3rd cutting 8%; 14 1999; 5% avg. Corn 63% silked; 71% 1999; 34% avg. Oats 73% ripe; 94% 1999, 24% harvested; 52% 1999; 24% avg. Other hay 1st cutting 98%; 100% 1999; 100% avg.; 2nd cutting 39%; 67% 1999, 43% avg. Peaches 26% harvested; 24% 1999. Soybeans 70% blooming; 85% 1999, 57% avg.; 23% setting pods; 26% 1999; 13 avg. Tobacco 8% topped; 4% 1999. Winter wheat 99% harvested, 99% 1999, 86% avg. Corn 2% very poor, 6% poor,

18% fair, 46% good, 28% excellent. Hay 3% very poor, 4% poor, 24% fair, 55% good, 14% excellent. Oats 0% very poor, 4% poor, 30% fair, 54% good, 12% excellent. Pasture 1% very poor, 3% poor, 26% fair, 55% good, 15% excellent. Soybeans 4% very poor, 10% poor, 28% fair, 45% good, 13% excellent. Activities for the week included: Baling hay, straw; chopping silage; harvesting wheat, oats; spraying weeds; applying nitrogen to corn; spraying soybeans; waterway construction, preparation; mowing weeds, pastures; hauling grain, manure; repairing buildings, equipment; picking fresh market vegetables; preparing for county fairs. Reported weed pressures included yellow sweet clover, smartweed, milkweed, barnyard grass, poison ivy, broadleaf, Canadian thistle, ragweed, foxtail, hemp dogbane, velvet leaf, multiflora rose, johnson grass. Reported insects were black cutworms, European corn borer in corn, bean leaf beetles, Japanese beetles, slugs, seed maggots, plant fleas, potato leaf hoppers. Reported diseases were rust, powdery mildew, head scab, glume blotch, blight in fruit, vegetables, leaf spot root rot in soybeans. The Northwest, North Central regions were offered some relief from wet weather last week. Producers took advantage of the nice weather to harvest wheat, bale hay, straw. Some beans turning yellow due to excess moisture. Reports of hail damage to corn, soybean fields in several counties in northern, eastern districts. Fruit, vegetable crops were reported in mostly good condition. Growers in the Northwest were busy harvesting tomatoes, squash, zucchini, cabbage, pickles. Lodi, Jersey Mac apples being harvested. Meanwhile, producers in the Southwest, South Central districts were harvesting sweet corn, tomatoes, blueberries, cabbage, beans, potatoes.

OKLAHOMA: Days suitable for fieldwork 5.5. Topsoil 6% very short, 22% short, 70% adequate, 2% surplus. Subsoil moisture 4% very short, 18% short, 77% adequate, 1% surplus. Wheat 88% plowed, 79% last week, 77% 1999, 79% avg. Oats 83% plowed, 69% last week, 78% 1999, 73% avg. Corn 1% poor, 7% fair, 87% good, 5% excellent, 83% silking, 55% last week, 59% 1999, 70% avg.; 25% dough, 23% last week, 13% 1999, 21% avg.; 6% mature, 4% last week, 0% 1999, 1% avg. Sorghum 99% emerged, 93% last week, 98% 1999, 97% avg. Soybeans 12% poor, 20% fair, 62% good, 6% excellent, 98% emerged, 92% last week, 84% 1999, 93% avg.; 51% blooming, 29% last week, 29% 1999, 47% avg.; 24% setting pods, 10% last week, 11% 1999, 19% avg. Peanuts 44% setting pods, 30% last week, 30% 1999, 43% avg. Alfalfa Hay 1% very poor, 3% poor, 21% fair, 64% good, 11% excellent, 97% 2nd cutting, 95% last week, 96% 1999, 98% avg.; 58% 3rd cutting, 37% last week, 52% 1999, 46% avg. Other Hay 2% poor, 21% fair, 61% good, 16% excellent; 93% 1st cutting, 87% last week, 89% 1999, 89% avg.; 39% 2nd cutting, 24% last week, 27% 1999, 23% avg. Watermelons 99% setting fruit, 98% last week, 95% 1999, 92% avg.; 98% harvested, 25% last week, 24% 1999, 24% avg. Livestock 1% poor, 10% fair, 73% good, 16% excellent; Cattle marketings avg. Feeder steer, heifer prices \$1 to \$2 per cwt. higher than a week ago.

OREGON: Days suitable for fieldwork 7. Topsoil 28% very short, 53% short, 19% adequate. Subsoil 8% very short, 64% short, 28% adequate. Barley 12% harvested, 6% 1999, 10% avg.; 4% poor, 26% fair, 49% good, 21% excellent. Winter wheat 21% harvested, 16% 1999, 12% avg.; 27% fair, 60% good, 13% excellent. Range, pasture 2% very poor, 3% poor, 25% fair, 54% good, 16% excellent. Activities: On east side of state wheat harvest well underway. Winter wheat mostly in good conditions, yields coming in at avg or slightly above avg. Barley harvest also underway. Mint harvest winding down. Third cutting of hay underway, grass seed harvest continued. In Klamath basin 2nd cutting of alfalfa underway. Early grains have turned, late plantings headed. Sugarbeet rows closed. In central state garlic fields look good. On west side of state winter wheat, oats ripening. Grass seed harvest continued in Willamette Valley. Crimson clover seed harvested. In Rogue River Valley small grains ripening, harvest had started. Haying continued. Nurseries, greenhouses are continuing with summer maintenance, irrigation. Easter lily growers scouting for aphid infestations, especially green peach aphid. Iris are starting to be harvested for fall shipping in mid-Willamette Valley. In eastern areas of state potatoes are growing fast, blooming, Umatilla, Morrow counties harvesting. Klamath County reported potato rows 90%

closed, 95% flowering, sugarbeet rows almost all closed. In Willamette Valley, onions are sizing, sweet corn from four leaf stage to ear silking. Green bean harvest underway, salad vegetables are in good supply. Beets, carrots, kale, radishes available in farmers markets in Valley. Rogue River Valley reported sweet corn, some early tomatoes just about ready. Onions are sizing, should be ready soon. New potatoes, green beans, squash, cucumbers, beets, corn being advertised as ready. Sweet cherry harvest in Mid-Columbia winding down. Harvest continues in Union county. In Willamette Valley, late sweet cherry varieties being picked. Raspberry picking neared completion. Blueberry, Marion berry harvest continued. Hazelnuts about full size. Nut growers continued spraying, began orchard floor preparation. In southern state, apples, pears, grapes all sizing nicely. In Coos, Curry counties, cranberries sizing, but are still green. Livestock condition remains mostly good to excellent. Most animals have been moved off lower elevation nonirrigated ranges in Jackson county. Lincoln county doing range maintenance. Some supplemental feeding has begun in Clackamas county. Ranges, pastures drying out quickly across state unless they are under irrigation. Many range fires in Malheur county burned 82,000 acres.

PENNSYLVANIA: Days suitable for field work 4.7. Soil moisture 9% short, 77% adequate, 14% surplus. Corn 52% silk, 52% 1999, 38% avg.; 20% dough, 14% 1999, 3% avg. Corn height 65 in., 55 in. 1999, 54 in. avg.; 2% poor, 14% fair, 52% good, 32% excellent. Soybean 1% very poor, 4% poor, 18% fair, 61% good, 16% excellent. Wheat 94% ripe, 95% 1999, 94% avg.; 83% harvested, 86% 1999, 76% avg. Apples 5% harvested, 4% 1999, 2% avg.; 4% very poor, 9% poor, 18% fair, 51% good, 18% excellent. Peaches 17% harvested, 13% 1999, 9% avg.; 8% poor, 21% fair, 55% good, 16% excellent. Alfalfa 2nd 59% cutting 77% 1999, 64% avg. Timothy clover 1st 87% cutting, 96% 1999, 93% avg. Timothy clover 2nd cutting 19%, 28% 1999, 21% avg. Quality of hay made 1% very poor, 12% poor, 45% fair, 39% good, 3% excellent. Activities include: Harvesting barley, oats, winter wheat, apples, peaches, vegetables; fixing fences; machinery maintenance; spreading lime, fertilizers; repairing buildings; hauling, spreading manure; caring for livestock; baling straw; making hay, haylage; spraying crops.

SOUTH CAROLINA: Days suitable for field work 6.1. Soil moisture 18% very short, 45% short, 36% adequate, 1% surplus. Apples 4% poor, 89% fair, 7% good. Cantaloups 91% harvested, 92% 1999, 91% avg. Corn 86% doughed, 68% 1999, 81% avg.; 40% matured, 18% 1999, 32% avg.; 6% harvested, 4% 1999, 4% avg.; 20% very poor, 36% poor, 26% fair, 18% good. Cotton 94% squared, 92% 1999, 95% avg.; 44% bolls set, 29% 1999, 52% avg.; 3% very poor, 11% poor, 38% fair, 47% good, 1% excellent. Hay 70% harvested, NA 1999, NA avg; 13% very poor, 32% poor, 37% fair, 18% good. Livestock 1% very poor, 10% poor, 38% fair, 39% good, 12% excellent. Peaches 60% harvested, 61% 1999, 62% avg.; 25% fair, 47% good, 28% excellent. Peanuts 62% pegged, 69% 1999, 57% avg.; 7% very poor, 13% poor, 57% fair, 23% good. Snap beans 96% harvested, 93% 1999, 86% avg. Sorghum 65% headed, 69% 1999, 56% avg.; 35% turned color, 34% 1999, 35% avg.; 1% matured, 6% 1999, NA avg.; 25% very poor, 40% poor, 35% fair. Soybeans 100% emerged, 100% 1999, 99% avg.; 33% bloomed, 20% 1999, 26% avg.; 18% pods set, 5% 1999, 11% avg.; 8% very poor, 18% poor, 27% fair, 47% good. Sweetpotatoes 23% poor, 39% fair, 38% good. Tobacco 99% topped, 93% 1999, 96% avg.; 22% harvested, 17% 1999, 26% avg.; 1% very poor, 9% poor, 28% fair, 61% good, 1% excellent. Tomatoes 92% harvested, 100% 1999, 93% avg. Watermelons 96% harvested, 86% 1999, 89% avg.

SOUTH DAKOTA: Days suitable for field work 4.8. Topsoil 8% very short, 23% short, 64% adequate, 5% surplus. Subsoil moisture 12% very short, 23% short, 61% adequate, 4% surplus. Feed supplies 1% very short, 10% short, 78% adequate, 11% surplus. Stock water supplies 8% very short, 16% short, 70% adequate, 6% surplus. Winter Rye 1% poor, 6% fair, 54% good, 39% excellent, 77% ripe, 67% 1999, 66% avg.; 22% harvested, 10% 1999, 15% avg.; 1% very poor, 5% poor, 22% fair, 51% good, 21% excellent, 95% ripe, 92% 1999, 72% avg. Spring Wheat 92% turning color, 78% 1999, 63% avg. Spring

Wheat ripe 50%, 23% 1999, 15% avg.; 90% turning color, 67% 1999, 63% avg.; 56% ripe, 23% 1999, 16% avg. Oats 90% turning color, 75% 1999, 65% avg.; 62% ripe, 35% 1999, 29% avg. Corn 66% tassled, 38% 1999, 29% avg.; 92% cultivated twice, 89% 1999, 89% avg. Sunflower 1% poor, 20% fair, 62% good, 17% excellent, 6% blooming, 6% 1999, 10% avg. Alfalfa hay 6% very poor, 11% poor, 24% fair, 49% good, 10% excellent, 61% 2nd cutting harvested, 47% 1999, 46% avg. Other hay 79% harvested, 67% 1999, 66% avg. Range, Pasture 4% very poor, 8% poor, 22% fair, 51% good, 15% excellent. Cattle 8% fair, 70% good, 22% excellent. Sheep 1% poor, 10% fair, 63% good, 26% excellent. Cool temperatures brought much needed relief to heat stressed crops, livestock. Livestock continue to be in fair to excellent condition, but stock water supplies are becoming an increasing concern. Cool temperatures, moisture did slow down field work, small grain harvest, but harvest is ahead of the 1, 5 -year averages in all categories. Row crops also continue to be in fair to excellent condition.

TENNESSEE: Days suitable for fieldwork 6. Topsoil 9% very short, 28% short, 60% adequate, 3% surplus. Subsoil moisture 11% very short, 36% short, 52% adequate, 1% surplus. Tobacco 1% very poor, 7% poor, 33% fair, 50% good, 9% excellent. Pastures 3% very poor, 13% poor, 34% fair, 43% good, 7% excellent. Alfalfa 95% 2nd cutting, 85% 1999, 88% avg. Tobacco 34% topped, 31% 1999, 26% avg. Rain showers were widespread throughout the State this past week bringing much needed moisture. Rainfall totals, though widely variable, were especially helpful because many areas were beginning to show stress. For those areas receiving little or no rainfall last week, the dry conditions have become a concern. Tobacco farmers continued to irrigate their fields with topping, applying sucker controls being the other main field activities this past week.

TEXAS: Summary: Another hot, mostly dry week prevailed across the state. Most dryland crops were at a point where moisture was needed. Producers were irrigating in areas across the state where needed. Overall crops were in good shape but were showing signs of lack of moisture, heat stress. With record breaking temperatures most crops were progressing rapidly. Pasture growth was slowed due to the lack of moisture, heat stress. Field activities: Consisted of plowing weeds, field preparation, spraying weeds, irrigating, baling hay, moving cattle to other ungrazed pastures. Weeds, insects were a concern, were dealt with in most crop fields, pastures across the state. Field Crops: Small Grains: Small grain harvest was completed for most of the state with only a few fields remaining unharvested. Field preparation had begun for wheat seeding with early August planting dates in mind. Corn progressed well in most areas. Maturing fields neared harvest while other fields were irrigated to keep up development in the major corn areas of the state. Corn borers were being treated. Spider mites increased in some areas. Harvest continued in southern areas. Harvest of corn silage began in the Blacklands. Statewide corn 80% of normal compared with 89% 1999. Cotton continued to make good progress statewide, but moisture, heat stress over the past week caused a decline in condition for some areas of the state. In the Plains most fields were at peak bloom, fruiting well. Some spraying was required for beet armyworms with other insect pressures in some areas of the state. Statewide cotton 73% normal compared with 68% 1999. Harvest began on some early planted fields in South Central, Upper Coastal areas. Heading continued with most fields needing more time to dry down. Statewide rice 92% compared with 97% 1999. Sorghum: Planting ended across the Plains with early fields starting to head. Also in the Plains early planted fields were at the bloom stage, but midge scouting will be critical in the month of August. Harvesting continued in central, southern areas under good dry conditions. Statewide sorghum at 73% compared with 81% 1999. Peanuts continued to progress well statewide. Most fields were pegging or had pegged, were beginning to set pods in Plains. Producers applied fungicides for leaf spot in some areas. Irrigated peanuts were doing quite well, but dryland peanuts were suffering from weather conditions. Statewide peanut 82% compared with 86% 1999. Soybeans: Irrigated soybeans progressed well, but dryland soybeans have suffered across the state due to heat stress, lack of rain. Harvest began in South Central, Southern areas of the state. Commercial Vegetables, Fruit, Pecans In the Rio Grande Valley preparation for fall planting began. Acreage has decreased due to water allotments.

Watermelon harvest continued. In the San Antonio-Winter Garden area harvests of cucumbers, squash, peppers began. Some planting for fall vegetables also began. In East State harvests of blueberries, watermelons neared completion. Sweet potatoes were looking good. Plant diseases decreased some with heat stress taking their places. Grasshopper problems, drought were taking a toll on all vegetables. In the High Plains vegetable progression remained constant, producers continued to plant peas, watermelons. Peaches: Harvest was completed in most areas across the Plains, but grasshoppers were attacking orchards. The peaches that remained were small, of poor quality. Pecans were stressed, with heat, the lack of moisture being the major factors. Trees were producing nuts in spite of the conditions, but nut set was light to moderate. Dryland orchards were suffering without rain. Irrigated pecans were making normal progress. Range, Livestock Moisture was needed for relief of livestock, rangeland conditions across the state. Pastures and ranges were very dry except where isolated rain showers had occurred. Supplemental feeding continued, some stocker movement began. Calves that were born in the heat were showing signs of stress

UTAH: Days suitable for field work 7. Topsoil 34% very short, 39% short, 27% adequate. Subsoil moisture 32% very short, 35% short, 33% adequate. Pasture, range 9% very poor, 32% poor, 40% fair, 19% good. Alfalfa hay 2nd cutting 70%, 48% 1999, 41% avg. Other hay cut 84%, 73% 1999, 65% avg. Corn height 53 inches, 53 inches 1999, 47 inches avg. Corn tasseled (silked) 19%, 7% 1999, 9% avg. Winter wheat 27% harvested, 22% 1999, 21% avg. Winter wheat 26% poor, 35% fair, 39% good. Spring wheat 14% harvested, 2% 1999, 7% avg.; 8% poor, 42% fair, 46% good, 4% excellent. Barley harvested (grain) 24%, 4% 1999, 11% avg.; 17% poor, 49% fair, 34% good. Oats 88% headed, 86% 1999, 82% avg.; 68% harvested for hay or silage, 61% 1999, 54% avg. Apricots 76% harvested, 94% 1999, 46% avg. Tart cherries 37% picked, 18% 1999, 36% avg. Irrigation water supplies 19% very short, 38% short, 43% adequate. Stock water supplies 7% very short, 34% short, 59% adequate. Major farm, ranch activities included: Hharvesting wheat, oats, barley, apricots, tart cherries, alfalfa, irrigating crops. Due to water shortage, irrigation for crops is limited. Range, forest grazing land is very dry due to lack of rain. Dry hot conditions expected to continue.

VIRGINIA: Days suitable for fieldwork 4.8. Topsoil 6% short, 81% adequate, 13% surplus. Subsoil moisture 3% very short, 13% short, 78% adequate, 6% surplus. Pastures 1% very poor, 2% poor, 17% fair, 67% good, 13% excellent. Livestock 1% poor, 8% fair, 79% good, 12% excellent. Other Hay 3% poor, 17% fair, 65% good, 15% excellent. Alfalfa Hay 1% poor, 10% fair, 58% good, 31% excellent. Corn for Grain 1% poor, 8% fair, 57% good, 34% excellent, 77% Silked, 66% 1999, 57% 5-yr avg.; 36% dough, 21% 1999, 19% 5-yr avg.; 3% dent, NA 1999, NA 5-yr avg. Soybeans 2% poor, 14% fair, 60% good, 24% excellent, 98% planted, 96% 1999, 98% 5-yr avg.; 96% emerged, 90% 1999, NA 5-yr avg.; 22% blooming, 10% 1999, 15% 5-yr avg.; 12% setting pods, NA 1999, NA 5-yr avg. Winter Wheat 97% harvested, 97% 1999, 96% 5-yr avg. Barley 100% harvested, 99% 1999, 99% 5-yr avg. Flue-cured tobacco 10% fair, 50% good, 40% excellent. Burley tobacco 4% poor, 27% fair, 52% good, 17% excellent. Dark Fire-cured tobacco 3% fair, 61% good, 36% excellent. Sun tobacco 1% fair, 99% good. Peanuts 11% fair, 68% good, 21% excellent. Peanuts 46% pegged, 89% 1999, 78% 5-yr avg. Cotton 1% poor, 17% fair, 69% good, 13% excellent, 88% squaring, 95% 1999, 96% 5-yr avg.; 19% setting bolls, 26% 1999, 69% 5-yr avg. Summer Potatoes 2% very poor, 1% poor, 24% fair, 57% good, 16% excellent, 78% harvested, 63% 1999, 58% 5-yr avg. Apples 33% fair, 57% good, 10% excellent. Summer apples 50% harvested, NA 1999, 7% 5-yr avg. Peaches 22% very poor, 13% fair, 54% good, 11% excellent. Peaches 33% harvested, 23% 1999, 17% 5-yr avg. Scattered rains throughout the Commonwealth last week have improved the topsoil moisture level from the week before. Moderate temperatures, adequate moisture continues to provide excellent growing conditions. Reports of blue mold spreading in burley tobacco, however all other tobacco types look good. Tobacco harvest has commenced, topping is in full swing. Harvest of vegetables well underway despite rains last week. Other activities for the week included: Applying herbicides for weed control, cutting hay, scouting for corn earworms, disease in peanuts, cotton.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 2% very short, 37% short, 61% adequate. Subsoil moisture 57% short, 43%

adequate. Winter wheat dryland 5% poor, 16% fair, 61% good, 18% excellent; irrigated 100% good, 11% harvested, 6% 1999, 8% avg.; Winter wheat conditions were good with harvest taking place in most of the wheat dominate counties. Spring wheat dryland 11% poor, 35% fair, 47% good, 7% excellent; irrigated, 100% good. Harvested 1%, 1% 1999, 1% avg. Barley dryland 10% poor, 37% fair, 43% good, 10% excellent; irrigated 100% good, 5% Harvested, 4% 1999, 3% avg. Spring cereal crops continue to ripen with the harvest of both barley, spring wheat just beginning. Potatoes 2% fair, 95% good, and 3% excellent. Potatoes, harvested 10%, 6% 1999, 6% avg. Alfalfa hay, 2nd cutting 91%, 99% 1999, 80% avg.; 3rd cutting 7%, 9% 1999, 2% avg. Hay, roughage 76% adequate, 24% surplus. Range, Pasture 24% poor, 47% fair, 29% good. The potato condition looked to be doing well with harvest of early potatoes underway. Some late blight was reported in western state, but was quickly brought under control. The 2nd cutting of alfalfa was almost complete with the third starting. Corn silage continued to grow well. The canola harvest was nearly complete. Blueberry, raspberry, other soft berries continued to be harvested as well as peaches, apricots, carrots, cucumbers, mint. Throughout most of the state fire concerns were raised due to the dry conditions and warm weather.

WEST VIRGINIA: Days suitable for fieldwork 4.3. Topsoil 2% short, 88% adequate, 10% surplus. Cooler temperatures, more rainfall moved across the State improving corn, soybean, oats, livestock conditions. Pastures continue to benefit from mostly adequate moisture supplies, but hay, tobacco, wheat conditions have declined. Wheat 26% poor, 46% fair, 28% good; 71% harvested, 100% 1999, 80% 5-yr avg. Hay 1% poor, 17% fair, 62% good, 20% excellent; 2nd cut 34%, 39% 1999, 30% 5-yr avg. Corn 9% fair, 37% good, 54% excellent; 57% silked, 50% 1999, 46% 5-yr avg. Soybean 1% poor, 13% fair, 62% good, 24% excellent; 43% blooming, 55% 1999, 55% 5-yr avg. 11% setting pods, 17% 1999, 16% 5-yr avg. Oats 14% fair, 63% good, 23% excellent; 95% headed, 97% 1999; 16% harvested, 25% 1999, 36% 5-yr avg. Tobacco 13% poor, 39% fair, 45% good, 3% excellent; 10% topped, 3% 1999, 9% 5-yr avg. Apple 60% fair, 32% good, 8% excellent. Peach 59% fair, 33% good, 8% excellent. Cattle 11% fair, 68% good, 21% excellent. Sheep 4% fair, 80% good, 16% excellent.

WISCONSIN: Days suitable for fieldwork 6.1. Soil moisture 3% very short, 12% short, 78% adequate, 7% surplus. More dry, somewhat cool weather gave the crops a small push. Only light rains fell last week in most of state. More warmth, moisture is needed for corn in the tasseling stage. Frosts were reported in low areas in the North Central district. Last week provided excellent weather to harvest small grains, 2nd crop hay. 2nd cutting of hay: 71% 2000, 66% 1999, 51% 5-yr avg. 3rd crop hay is coming back quickly. Winter wheat 0% very poor, 1% poor, 13% fair, 61% good, 25% excellent. Last year's avg 45% harvested, the 5-yr avg 26%. Wheat had high straw yields but low quality due to earlier wet conditions. Pasture feed 1% very poor, 5% poor, 21% fair, 59% good, 14% excellent. Some strawberry growers have reported a 25-50% loss this season due to a late frost.

WYOMING: Days suitable for fieldwork 6.9. Topsoil 38% very short, 50% short, 12% adequate. Barley 96% headed, 83% 1999, 90% avg.; 58% turning color, 60% 1999, 64% avg.; 11% mature, 22% 1999, 14% avg. Barley 1% very poor, 5% poor, 50% fair, 39% good, 5% excellent. Oats 77% headed, 70% 1999, 80% avg.; 30% turning color, 17% 1999, 36% avg.; 3% mature, 3% 1999, 11% avg.; 10% poor, 39% fair, 42% good, 9% excellent. Spring wheat 85% headed, 78% 1999, 82% avg.; turning 51% color, 40% 1999, 46% avg.; 3% mature, 13% 1999, 14% avg.; 25% poor, 45% fair, 25% good, 5% excellent. Winter wheat 89% mature, 92% 1999, 72% avg.; 78% harvested, 42% 1999, 24% avg. Corn 50% tasseled, 61% 1999, 30% avg.; 3% poor, 16% fair, 76% good, 5% excellent. Dry beans 53% bloom, 67% 1999, 57% avg.; 12% setting pod, 13% 1999, 13% avg.; 1% good, 8% fair, 82% good, 9% excellent. Sugarbeets 1% very poor, 2% poor, 14% fair, 64% good, 19% excellent. Alfalfa 1st cutting 94%, 91% 1999, 89% avg.; 2nd cutting 12%, 8% 1999, 6% avg. Other hay 52% harvested, 45% 1999, 52% avg. Range, pasture 11% very poor, 30% poor, 46% fair, 13% good. Irrigation water supplies 25% very short, 21% short, 54% adequate. Dry conditions continue.